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**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

First Applicant: John Michael Beals

Serial No.: 10/579,510

Application Date: May 16, 2006

For: MUTEINS OF FIBROBLAST GROWTH FACTOR 21  
Docket No.: X-16280

Group Art Unit:  
1647  
Christine J. Saoud  
Conf No.:  
7502

**AMENDMENT AND RESPONSE TO OFFICE ACTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This amendment is responsive to the Office Action dated June 2, 2008.

**Introductory Comments:**

In response to the Office action of June 2, 2008, please amend the above-identified application as follows:

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 3 of this paper.

**Remarks/Arguments** begin on page 6 of this paper.